



Smart A/C application
MIM-H02

Air Conditioner user & installation manual

CE0470  

imagine the possibilities

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Safety precautions

This installation manual explains how to install Wi-Fi kit that connects to indoor unit of Samsung system air conditioner.
Read the installation manual thoroughly before installing the Wi-Fi kit.

(Refer to the appropriate manual for installing product or other optional parts.)

 WARNING	Hazards or unsafe practices that may result in severe personal injury or death .
 CAUTION	Hazards or unsafe practices that may result in minor personal injury or property damage .

WARNING







- ▶ Contact service center for installation.
 - There is a risk of product malfunction, water leakage, electric shock or fire.
- ▶ Install the Wi-Fi kit firmly on the place that can withstand the weight of the product.
 - If the installation location is not strong enough, remote controller may fall and get damaged.
- ▶ Connect the power with rated voltage when installing.
 - If not, there is risk of fire or damage to the Wi-Fi kit.
- ▶ Do not attempt to move or re-install the Wi-Fi kit that is already installed.
 - There is risk of electric shock and fire.
- ▶ Do not attempt to modify or repair the Wi-Fi kit on your own.
 - There is potential risk of product damage, electric shock or fire. When repair is needed, consult service center.
- ▶ Check if the installation was done properly according to the installation manual.
 - If the Wi-Fi kit is installed incorrectly, there is risk of electric shock or fire.
- ▶ Make sure that all wiring work is done by qualified person complying regional standards and instructions in this manual.
 - If the installation is done by unqualified person, there is risk of product malfunction, electric shock or fire caused by incorrect installation.
- ▶ Contact the service center if you need to dispose the Wi-Fi kit.

CAUTION

- ▶ Do not install the product in a place where it is or might be exposed to inflammable gas leakage.
 - There is risk of fire or explosion.
- ▶ Do not install the product in a place where it will be exposed to oil or vapor etc.
 - If the product is used in a place where it is exposed to oil, vapor or sulphur dioxide, parts of the product may get damaged or product may function abnormally.
- ▶ Make sure that water does not get into the Wi-Fi kit.
 - There is risk of electric shock and fire.
- ▶ Make sure there is no tension to the cable during installation.
 - Cable may get cut and cause fire.
- ▶ Install the product in a place with temperature between 0°C~39°C with no direct sunlight.
 - If not, there is risk of electric shock or abnormal operation.
- ▶ Do not install the product in a place where special spray or acid/alkali solution is used.
 - There is risk of electric shock or abnormal operation.
- ▶ Do not press the button with sharp object.
 - There is risk of electric shock or damaging the parts.
- ▶ Do not connect the power cable to the communication cable terminal.
 - There is risk of fire.
- ▶ When installing the product in hospitals or other places, make sure that the product does not interrupt with other products.
 - Abnormal operation may occur.

Check before installing Wi-Fi kit

Parts

Assy Wi-Fi kit	Cable tie (2)	Cable clamp (3)	M4×16 screw (5)
			
User & Installation manual	U- terminal (6)		
			

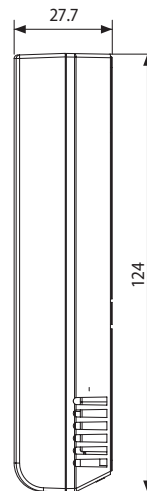
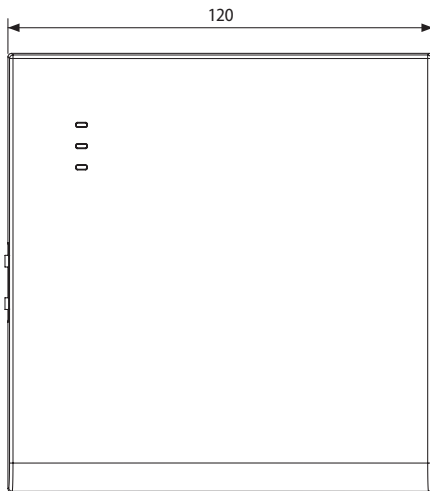


CAUTION

- Wi-Fi kit should be installed by a certified installer.
- Before installing a Wi-Fi kit, you should check whether the power of the kit is turned off.
- The wire of Wi-Fi kit should be installed in accordance with electric wiring regulation and should also be installed inside the wall so that it cannot be touched by users.

Exterior dimension

(Unit : mm)



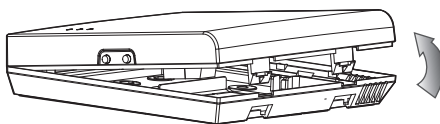
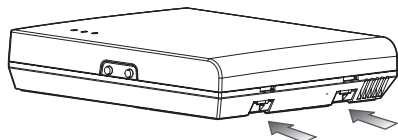
How to install Wi-Fi kit

Wi-Fi kit installation



- For smooth operation, install the Wi-Fi kit and the wireless router in open space with no obstacles between them. Operation may not be possible if the distance between the Wi-Fi kit and the wireless router is too far or if there's any obstacle between them.

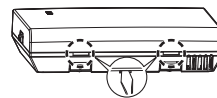
- After pushing the two hooks on the bottom of the Wi-Fi kit at the same time, lift the front cover up and then detach it from the rear cover.



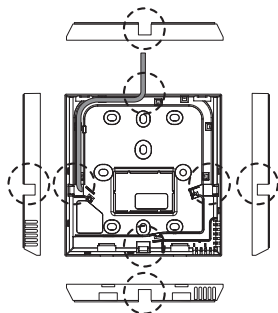
- * Push the two hooks at the same time.



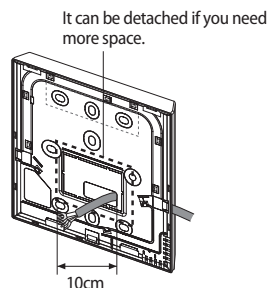
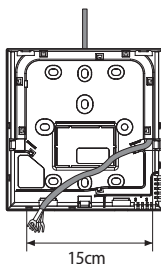
- It might be easier to disassemble the Wi-Fi kit if you put a flat-head screw driver into the square hole above the fixing hook.



- Place the power wire and communication wire to fittings in the rear cover.



<When the cover is not buried>



<When the cover is buried>

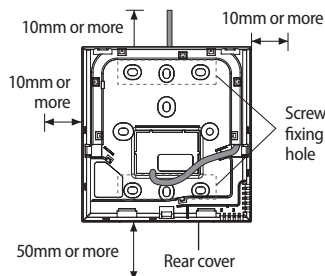
How to install Wi-Fi kit

- After fixing the rear cover of a Wi-Fi kit firmly into the wall with two or more screws, connect the power wire(V1, V2) and communication wire(F1, F2) to the terminal at the back side of the front cover with proper length.

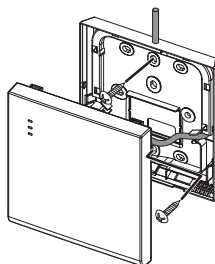


NOTE

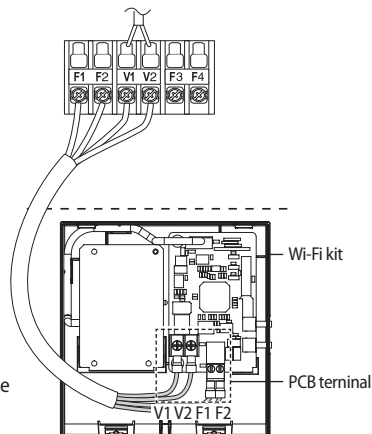
- Centralized controller and the Wi-Fi kit cannot be used together.



- Before fixing the rear cover, allow 10mm or more space for upper, left, and right sides and 50mm space for bottom side.



- You should fix the screws into the screw fixing holes.



- Do not tighten the PCB terminal with too much force.

- Reassemble the Wi-Fi kit.



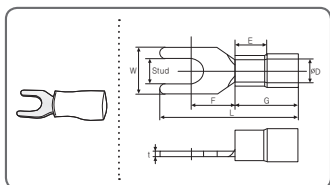
NOTE

- Put the front cover of the kit into the upper grooves first and then fit it as shown in the picture. After assembling the Wi-Fi kit, please check if there is any gap because of the connection cable between front cover and rear cover.



CAUTION

- When installing a Wi-Fi kit with 10m or more wire, the communication wire and power wire of a Wi-Fi kit should be installed separately. (The Wi-Fi kit will malfunction because of electrical fault.)
- When installing a Wi-Fi kit on the wall, select proper thickness of wires in the consideration of the hole size for wire on the wall.
- Wire for Wi-Fi kit PCB connection
 - When installing a Wi-Fi kit in a buried way, install the kit in accordance with U-terminal wiring regulation.
 - When installing a Wi-Fi kit with 4-line PVC wires, peel 30cm of the sheath for the PVC wire and use only 4-line wires. (Recommendation: AWG21)
- Specification of compressed U-terminal for connecting Wi-Fi kit PCB



Wire range for connection		Rated size	Stud size	Basic size(mm)						
AWG	mm ²	mm ²	mm	t	ΦD	G	E	F	W	L
22~16	0.25~1.65	1.5	3	0.7	3.8	10.0	4.5	6.5	6.0	21.2

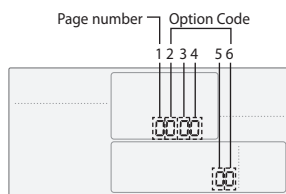
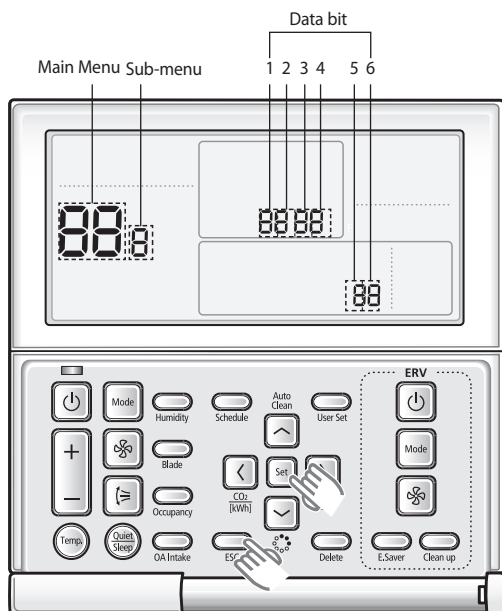
The maximum distance for connection between communication wire and power wire: 50m

- Tighten the fixing screws for a PCB terminal with less than 6Nm torque. When the screws are tightened with more than 6Nm torque, the screw thread will be damaged.

5. Setting an indoor unit installation option

- ▶ Wi-Fi kit is an optional item, therefore Wi-Fi kit usage option(SEG5) is set to 'Disable' as factory default setting.If you install the Wi-Fi kit separately, you must set the Wi-Fi kit usage option(SEG5) as shown in the below table to use it normally.
- ▶ Input the setting option more than twice.
- ▶ For proper operation, reset the power after inputting the option.
- ※ Be aware of the fact that Wi-Fi kit will not operate properly if you only install the Wi-Fi kit but don't set the model option.

1) Set the indoor unit installation option by wired remote controller.



SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	*	*	*	*	*

Page number

SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	*	*	*	*	*

Page number

SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
2	*	*	*	*	*

Page number

SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	*	*	*	*	*

Page number

In order to check and set the indoor unit installation option code use the wired remote controller and follow the directions below.

1. Press the **Set** and **ESC** buttons at the same time for more than 3 seconds and then a Main menu will be displayed.
2. Press the **Up/Down** button to select **4** and then press **Right** button to enter a Sub-menu setting screen.
3. Press the **Up/Down** button to select **3** and then press **Right** button to enter a Indoor unit installation option code setting screen.



NOTE


- The first digit represents the page number and the remaining five digits are installation option.
- The total option codes are 24 digits. You can set six digits at a time and it is distinguished by page number (0, 1, 2, 3).


4. Press the **Up/Down** button to set the installation option code in order. Press **Right** button to go to the next page.

How to install Wi-Fi kit



Option No.: 02XXXX-1XXXXX-2XXXXX-3XXXXX

Option	SEG1		SEG2		SEG3		SEG4		SEG5		SEG6	
Explanation	PAGE		MODE		RESERVED		Use of external temperature sensor		Use of central control or Wi-Fi kit		RESERVED	
Indication and Details	Indication	Details	Indication	Details			Indication	Details	Indication	Details		
	0		2				0	Disuse	0	Disuse		
							1	Use	1	Use		
Option	SEG7		SEG8		SEG9		SEG10		SEG11		SEG12	
Explanation	PAGE		Use of drain pump		RESERVED		RESERVED		RESERVED		Master / Slave	
Indication and Details	Indication	Details	Indication	Details							Indication	Details
			0	Disuse							0	slave
	1		1	Use							1	master
			2	Use + 3minute delay							-	-
Option	SEG13		SEG14		SEG15		SEG16		SEG17		SEG18	
Explanation	PAGE		Use of external control		Setting the output of external control		S-Plasma ion		Buzzer control		Number of hours using filter	
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
	2		0	Disuse	0	Thermo on	0	Disuse	0	Use of buzzer	2	1000 Hour
			1	ON/OFF Control	1	Operation on	1	Use	1	Non use of buzzer	6	2000 Hour
			2	OFF Control								
Option	SEG19		SEG20		SEG21		SEG22		SEG23		SEG24	
Explanation	PAGE		control of a remote controller		Heating setting compensation		RESERVED		Motion detect sensor		RESERVED	
Indication and Details	Indication	Details	Indication	Details	Indication	Details			Indication	Details		
			0 or 1	Indoor 1	0	Disuse			0	No Use (Factory Setting)		
	3		2	Indoor 2	1	2°C			1	Standard Mode/Auto Set OFF30 Min.		
			3	Indoor 3					2	Standard Mode/Auto Set OFF60 Min.		
			4	Indoor 4	2	5°C			3	Standard Mode/Auto Set OFF 120 Min.		
									4	Standard Mode/Auto Set OFF 180 Min.		
									5	Premium Mode/ Auto Set OFF30 Min.		
									6	Premium Mode/ Auto Set OFF60 Min.		
									7	Premium Mode/Auto Set OFF 120 Min.		
									8	Premium Mode/Auto Set OFF 180 Min.-		

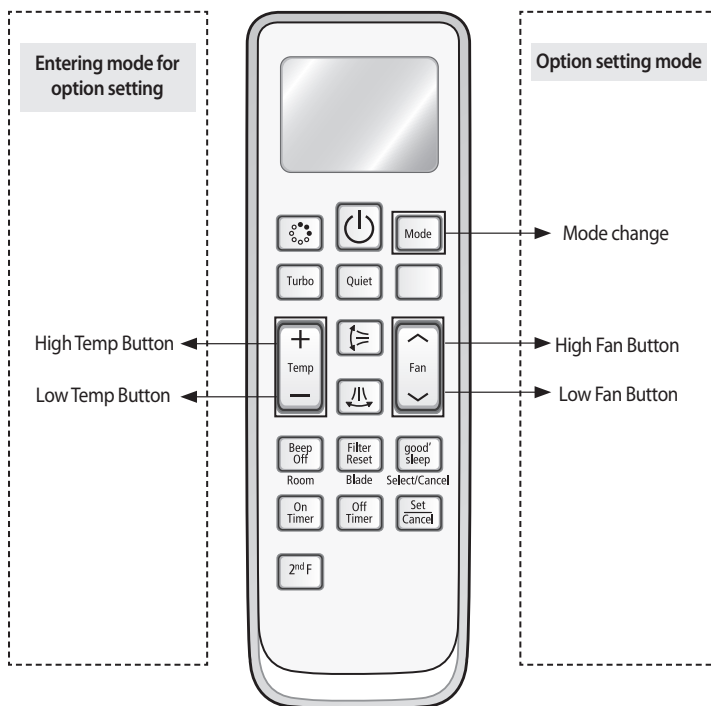
5. Press the  button to save and complete the option setting.

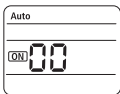
6. Press the  button to exit to normal mode.



- Press  button anytime during setup to exit without setting.
- Option code will not be applied if you don't press  button.
- Setting Installation option code is available only with a master wired remote controller.
- Setting Installation option code is available when there is one on one connection between a wired remote controller and an indoor unit.

2) In order to check and set the indoor unit installation option code use the wireless remote controller



1. Remove batteries from the remote controller.
2. Insert batteries and while you press [+ Temperature] and [- Temperature] button at the same time.
3. Check if you have entered the option setting status. 
4. After entering the option setting status, select the option as listed below.

Step 2. The procedure of option setting

After entering the option setting status, select the option as listed below.



Option setting is available from SEG1 to SEG 24

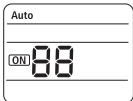
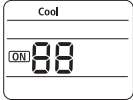

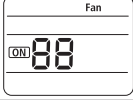
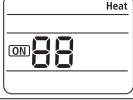

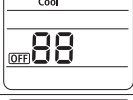
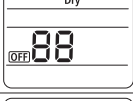
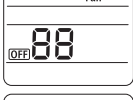
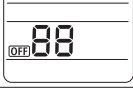
- SEG1, SEG7, SEG13, SEG19 are not set as page option.
- Set the SEG2~SEG6, SEG8~SEG12 as ON status and SEG14~18, SEG20~24 as OFF status.

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6	SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
0	X	X	X	X	X	1	X	X	X	X	X
SEG13	SEG14	SEG15	SEG16	SEG17	SEG18	SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
2	X	X	X	X	X	3	X	X	X	X	X

On(SEG1~12)	Off(SEG13~24)
Auto	Auto
COOL 00	COOL 00

How to install Wi-Fi kit

The procedure of setting option

Operation	Indication
<p>* Step 1</p> <p>1. Remove the batteries from the remote controller.</p> <p>2. Insert batteries while pressing High Temp Button and Low Temp Button.</p>	
<p>* Step 2</p> <p>1. Press LowFan Button to enter SEG2 value.</p> <p>2. Press High Fan Button to enter SEG3 value.</p>	
<p>* Step 3</p> <p>Press Mode Button to be change to Cool mode in the ON status.</p> <p>1. Press Low Fan Button to enter SEG4 value.</p> <p>2. Press High Fan Button to enter SEG5 value.</p>	
<p>* Step 4</p> <p>Press Mode Button to be changed to DRY mode in the ON status.</p> <p>1. Press Low Fan Button to enter SEG6.</p> <p>2. Press High Fan Button to enter SEG8.</p>	
<p>* Step 5</p> <p>Press Mode Button to be changed to FAN mode in the ON status.</p> <p>1. Press Low Fan Button to enter SEG9 value.</p> <p>2. Press High Fan Button to enter SEG10 value.</p>	
<p>* Step 6</p> <p>Press Mode Button to be changed to HEAT mode in the ON status.</p> <p>1. Press Low Fan Button to enter SEG11 value.</p> <p>2. Press High Fan Button to enter SEG12value</p>	
<p>* Step 7</p> <p>Press Mode Button to be changed to AUTO mode in the OFF status.</p> <p>1. Press Fan button to enter SEG14 value.</p> <p>2. Press High Fan Button to enter SEG15 value.</p>	
<p>* Step 8</p> <p>Press Mode Button to be changed to Cool mode in the OFF status.</p> <p>1. Press Low Fan Button to enter SEG16 value.</p> <p>2. Press High Fan Button to enter SEG17 value.</p>	
<p>* Step 9</p> <p>Press Mode Button to be changed to DRY mode in the OFF status.</p> <p>1. Press Low Fan Button to enter SEG18 value.</p> <p>2. Press High Fan Button to enter SEG20 value.</p>	
<p>* Step 10</p> <p>Press Mode Button to be changed to FAN mode in OFF status</p> <p>1. Press Low Fan Button to enter SEG21 value.</p> <p>2. Press High Fan Button to enter SEG22 value.</p>	
<p>*Step 10</p> <p>Press Mode button to be changed to HEAT mode in the OFF status</p> <p>1. Press Low Fan Button to enter SEG23 value.</p> <p>2. Press High Fan Button to enter SEG24 value.</p>	
<p>* Step 11</p> <p>Press operation button to enter option.</p>	

Option No. : 02XXXX-1XXXX-2XXXX-3XXXX

Option	SEG1		SEG2		SEG3		SEG4		SEG5		SEG6			
Explanation	PAGE		MODE		RESERVED		Use of external temperature sensor		Use of central control or Wi-Fi kit		RESERVED			
Indication and Details	Indication	Details	Indication	Details			Indication	Details	Indication	Details				
	0		2				0	Disuse	0	Disuse				
Option	SEG7		SEG8		SEG9		SEG10		SEG11		SEG12			
Explanation	PAGE		Use of drain pump		RESERVED		RESERVED		RESERVED		Master / Slave			
Indication and Details	Indication	Details	Indication	Details							Indication	Details		
	1		0	Disuse							0	slave		
			1	Use							1	master		
Option	SEG13		SEG14		SEG15		SEG16		SEG17		SEG18			
Explanation	PAGE		Use of external control		Setting the output of external control		S-Plasma ion		Buzzer control		Number of hours using filter			
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details		
	2		0	Disuse	0	Thermo on	0	Disuse	0	Use of buzzer	2	1000 Hour		
			1	ON/OFF Control	1	Operation on	1	Use	1	Use of buzzer	6	2000 Hour		
			2	OFF Control										
Option	SEG19		SEG20		SEG21		SEG22		SEG23		SEG24			
Explanation	PAGE		control of remote controller		Heating setting compensation		RESERVED		Motion detect sensor		RESERVED			
Indication and Details	Indication	Details	Indication	Details	Indication	Details			Indication	Details				
	3		0 or 1	Indoor 1	0	Disuse			0. No Use (Factory Setting) 1. Standard Mode/Auto Set OFF30 Min. 2. Standard Mode/Auto Set OFF60 Min. 3. Standard Mode/Auto Set OFF 120 Min. 4. Standard Mode/Auto Set OFF 180 Min. 5. Premium Mode/ Auto Set OFF30 Min. 6. Premium Mode/ Auto Set OFF60 Min. 7. Premium Mode/Auto Set OFF 120 Min. 8. Premium Mode/Auto Set OFF 180 Min.--					
			2	Indoor 2	1	2°C								
			3	Indoor 3	2								5°C	
	4	Indoor 4												

Installing network

[Connecting Network]

Connect the wireless IP router to an air conditioner.



[Registering service]

Access the <http://global.samsungsmartappliance.com> and register the service.

Checking before using a wireless router

* This Wi-Fi Aircon support only below three encryption.

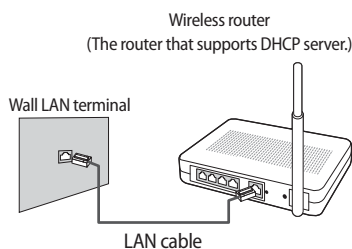
- Open (No encryption), WPA/TKIP, WPA2/AES

- ▶ For Wi-Fi Aircon installation, select indoor unit location near to wireless router. In case Wi-Fi signal strength is weakened, Smart App. may be disconnected depending on the Wi-Fi signal strength.
- ▶ Smart-Phone should be in the Wi-Fi signal zone to use Smart App.
- ▶ For Mobile broadband internet access, Smart App. can be used when Mobile Broadband Dongle is activated to use Wi-Fi.
- ▶ This product supports only DHCP(Dynamic Host Configuration Protocol). If users use an existing wireless router, the DHCP server option function should be activated.
- ▶ Select a channel for the wireless router that is not currently being used.
- ▶ If a wireless router is connected by other than the above modes, the router may not be connected with the air conditioner or may not work. To use 802.11n, using WPA2/AES is recommended.
- ▶ The quality of wireless network connection can be affected by the surrounding wireless environment.
- ▶ If an internet service provider has permanently registered the users PC or MAC address (a unique identifying number), the air conditioner might not be connected to internet. When appliances other than a PC are to be connected to Internet, ask your ISP (Internet service provider) about the procedures required to connect to the internet.
- ▶ If your internet service provider requires an ID or a password to connect to the internet, your air conditioner may not be able to connect to the internet. If this is the case, you must enter your ID or password when connecting to the internet.
- ▶ The internet connection may fail because of a firewall problem. If this is the case, contact your internet service provider.
- ▶ If you cannot connect to the internet even after you have followed the procedures of your internet service provider, please contact a samsung service center.

Connecting network

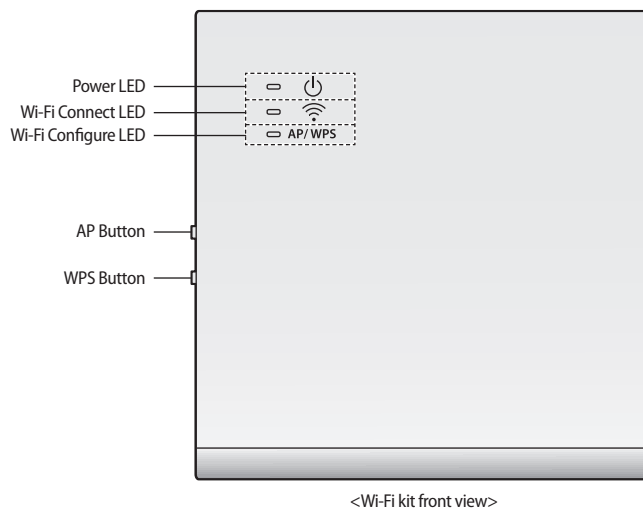
Connecting the wireless IP router with an air conditioner

- ▶ For wireless router installation, refer to the user manual of the corresponding router.
- ▶ Samsung smart air conditioner supports the communication protocols of IEEE802.11 b/g/n(2.4Ghz).
- ▶ For wireless router installation, refer to the user manual of each manufacturing company.
Samsung does not provide customers with the wireless router manual.
- ▶ Uncertified router may not be able to connect with an air conditioner.
- ▶ When the wireless router is not connected to internet, 'Out-of-home' control will not be available and reserve function will also not work properly with 'In-home' control.
- ▶ Certified router has the logo of below on the package or user manual.



Connecting network

Checking the Wi-Fi kit



LED status information

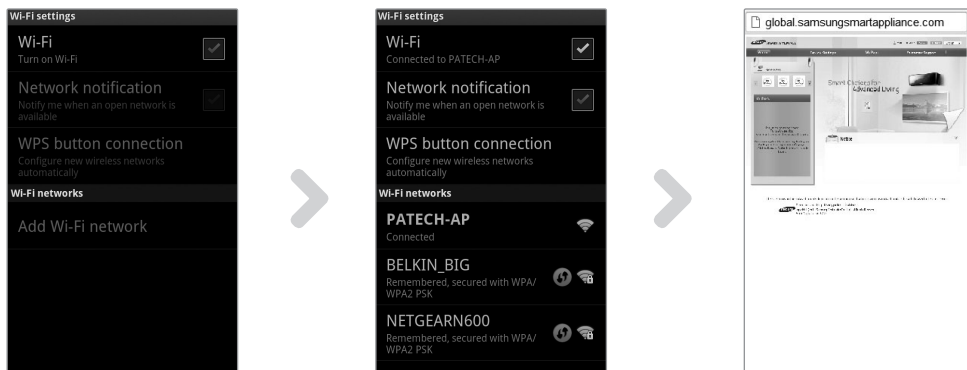
- ▶ Power LED
 - According to the power On/Off of a Wi-Fi kit, LED will be On/Off.
 - When there is a communication error, the LED will blink at an interval of 500ms.
- ▶ Wi-Fi Connect LED
 - Off : When Wi-Fi is not connected with a wireless router
 - 500ms Blink : When Wi-Fi is connected with a wireless router but internet has not been connected
 - On : When Wi-Fi is connected with both a wireless router and internet without a problem.
- ▶ Wi-Fi Configure LED
 - When a wireless router operates in AP mode: The LED will blink at intervals of 2sec, On, 1sec, Off.
 - When a wireless router operates in WPS mode: The LED will blink at intervals of 4sec, On, 1sec, Off.
 - When authentication function is in operation: When you press 'AP' button for 5 seconds for authentication, the LED will blink at an interval of 250ms for 10 seconds.

Connecting network

Checking network

Check whether the wireless router connects with a smart phone.

When the internet is not connected with a smart phone, the network function of the air conditioner cannot be used.



1. Search for the wireless router on the smart phone.
2. Select the wireless router you are using now on the searched wireless router list.
3. Check whether the smart phone can access the website <http://global.samsungsmartappliance.com>



- If you need ID and Password to use the internet at commercial building, inform the network administrator of MAC address of your air conditioner and get the approval of internet use for the air conditioner.



- If private program installation of ISP is needed for internet use, the air conditioner cannot be connected with the internet.

Connecting the wireless router with an air conditioner by the network (Select one of the 2 methods)

Connecting network with WPS setting



Preparation

- Please check whether a wireless router supports Wi-Fi Protected Setup™(WPS).
- Check whether the wireless router has the 'WPS' () button.
- * Samsung smart air conditioner uses only PBC method of WPS.

1. Press the 'WPS' button of a Wi-Fi kit.
 - When the kit is in normal operation, LED 2 will go off and LED 3 will blink at an interval of 4sec and 1sec.
2. Press the 'WPS' button of a wireless router.



- Since the way to operate the wireless router in WPS mode may vary according to wireless router manufacturer, please refer to the manual of corresponding manufacturer
- For certain wireless routers, if you press the 'WPS' button for a long time, the set value of the wireless router may be initialized. Please be careful about that.

3. When setting is done successfully, LED 2 of a Wi-Fi kit will blink according to Wi-Fi connection status.
 - When setting a wireless router with WPS function, one wireless router can be set with only one device at the same time.
 - When setting multiple devices, each device should be set separately.
 - When operating WPS mode according to each wireless router feature, the setting information of a wireless router such as SSID will change automatically, which can disconnect all the connection with current devices. Therefore, please refer to the manual of a corresponding wireless router.

Connecting network with a Smart phone APP

Setting application on Samsung smart phone (Android based smart phone)





- Android based smart phone users can download the Smart A/C application by searching 'Smart Air Conditioner' at Android market(Google Play Store) or Samsung Apps.
- Use the 'Smart Air Conditioner(CAC)' from the searched applications.



1. Connect the power cable of the air conditioner and then press the 'AP' button on the side of the Wi-Fi kit. Check if the 'AP/WPS' lamp on the front panel blinks.
2. After operating Smart A/C application, press the [Network Setting] tab.
3. Press the [Setting Start] tab.

Connecting network



4. Select the wireless router that you are using now.
 - When using free wireless router, refer to the corresponding user manual for password.
5. After entering the password of selected wireless router, press the [OK] tab.
 - When the password has not been set, press the [OK] tab without entering the password.
6. When 'Transfer complete' pop up comes on, press the [OK] tab.
 - When the air conditioner is connected with wireless router correctly, the second LED of Wi-Fi kit () will be On.
 - After connecting the wireless router with the air conditioner and when the second LED of Wi-Fi kit () blinks, check the internet connection status.
7. After 2minutes, if the Wi-Fi LED of the air conditioner is still on, it means the configuration has succeeded. At this point, you can use smart phone to control the system.



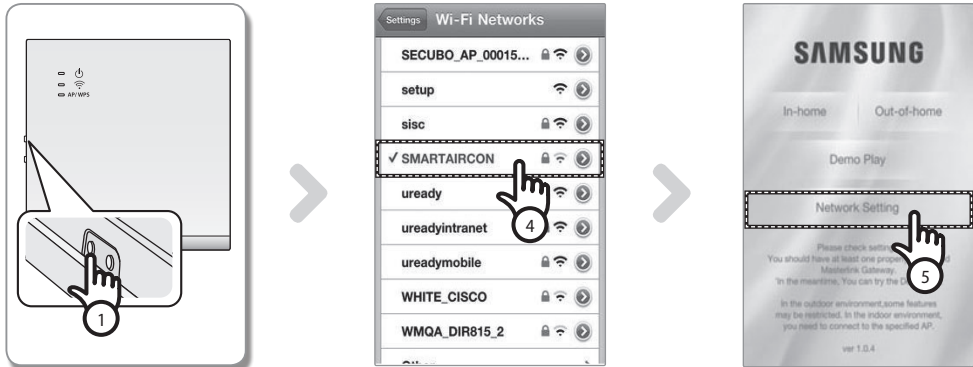
NOTE

- When searching a network by pressing 'AP' button, third LED (**AP/WPS**) will be on for a maximum of 5 minutes.
- Smart A/C application is optimized with Samsung smart phones. Supported models are; Galaxy S, Galaxy S2, Galaxy Note, Galaxy S2 HD LTE, Galaxy Tab 7.0 and Galaxy tab 10.1 and other models can be added in the future. When the Smart A/C application is used with other smart phones, some functions may not work.

Setting application on iPhone



- iPhone users can download the Smart A/C application by searching 'Smart Air Conditioner' at Apple App store. Use the 'Smart Air Conditioner(CAC)' from the searched applications.



1. Connect the power cable of the air conditioner and then press the 'AP' button on the side of the Wi-Fi kit.
2. Check if the 'AP/WPS' lamp on the front panel blinks.
3. Select [Settings] → [Wi-Fi] on your iPhone.
4. From the list of Wi-Fi, select SMARTAIRCON and enter '111112222' as password.
5. After operating Samsung Smart A/C application, press the [Network Setting] tab.

Connecting network

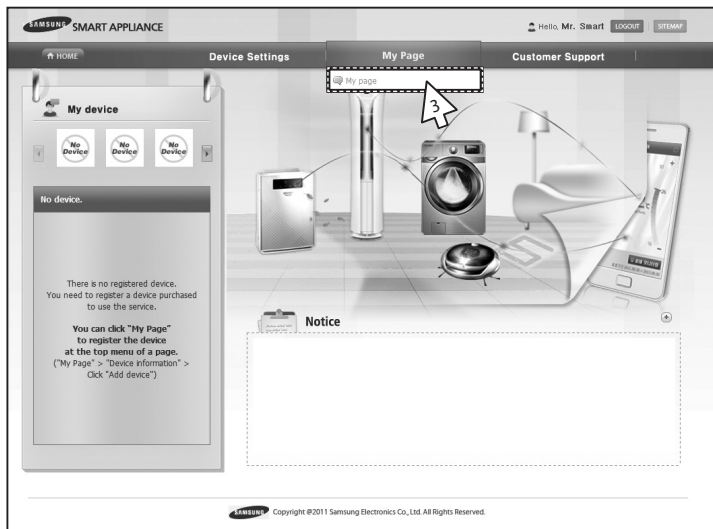


6. Press the [Setting Start] tab.
7. Enter the information of wireless router and press the [OK] tab.
 - Required information is; SSID, Security type, Encryption type and Password.
- NOTE
 - If you do not know the information of wireless router, check its manual or contact your ISP (internet service provider).
8. When 'Transfer complete' pop up comes on, press the [OK] tab.
9. Select [Settings] → [Wi-Fi] on your iPhone.
10. Select the wireless router that you are using, and enter the password.
 - When the air conditioner is connected with wireless router correctly, the second LED of Wi-Fi kit () will be On.
 - After connecting the wireless router with the air conditioner and when the second LED of Wi-Fi kit () blinks, check the internet connection status.
11. After 2 minutes, if the Wi-Fi LED of the air conditioner is still on, it means the configuration has succeeded. At this point, you can use smart phone to control the system.
 - NOTE
 - When searching a network by pressing 'AP' button, third LED (**AP / WPS**) will be on for a maximum of 5 minutes.
 - Supported models are; iphone4, iphone4S. and other models can be added in the future.

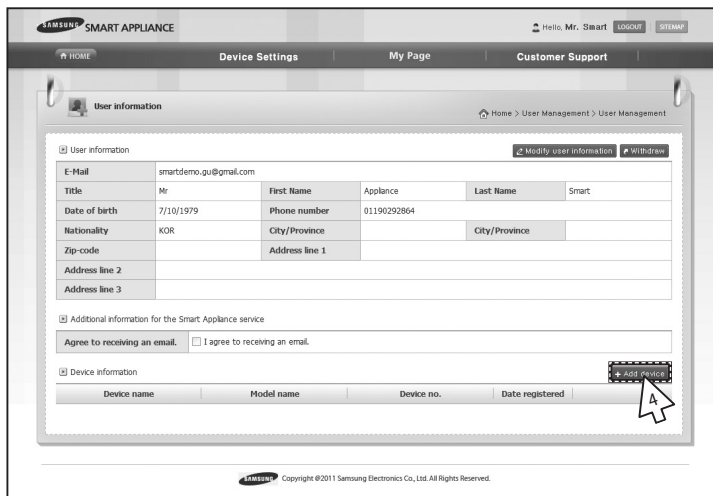
Registering service

Registering an air conditioner

1. Access Samsung Smart appliance website (<http://global.samsungsmartappliance.com>).
2. Enter the User ID and Password to log in.
 - If you don't have an account, press [Create a Samsung account] and fill in the form to become a member.

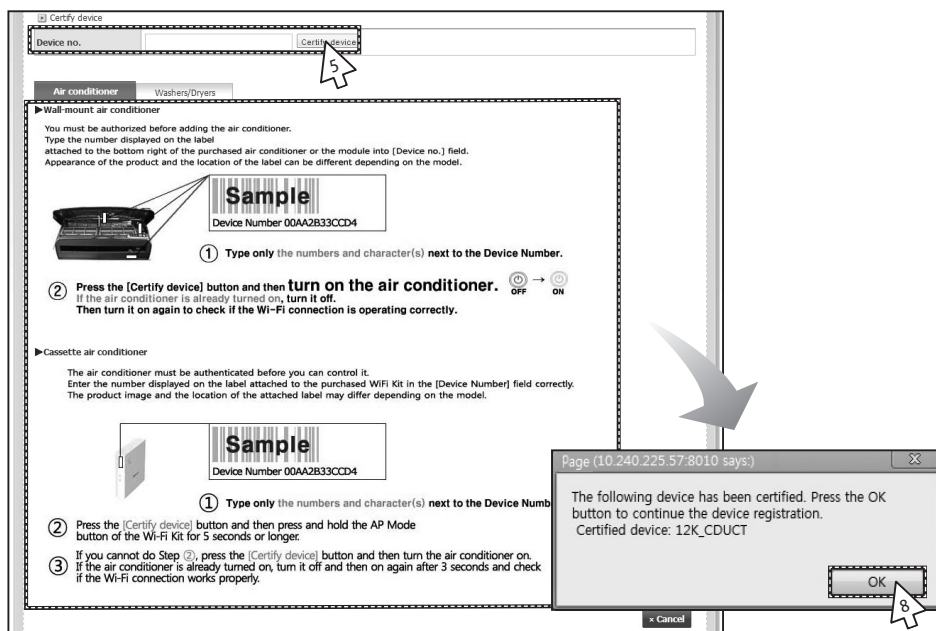


3. Select [My page]→[My page].



4. Select [Add device].

Registering service



5. After entering the Device Number written on the label sticker attached on the bottom part of the air conditioner or Wi-Fi module, click the [Certify device].
6. Hold the 'AP' button of the Wi-Fi kit for 5 seconds or longer.
7. If you cannot do step 6, alternatively restart the air conditioner you are using now.
8. When the device certification message appears, click [OK].
 - If the air conditioner you are registering is already registered by other users, a window will come on asking whether you want to delete the usage authority of the existing users, or not.

SAMSUNG SMART APPLIANCE Hello, **Imsung** Logout Settings English

HOME Device Settings My Page Customer Support

My page Home > My page > My page

User information Modify user information Add address

E-mail	imsung.choi@samsung.com				
Title		First Name	Imsung	Last Name	Choi
Date of Birth	18/02/1985	Phone Number			
Country	KOR	Province		City	
Postal Code		Address 1			
Address 2					

Device information Add device

No.	Device name	Model name	Device no.	Date registered	
1	7825AD101D12	LNK_COUCT	7825AD101D12	09/08/2012	Delete User

The screen may not be displayed properly depending on the web browser. If a broken screen is displayed, update the web browser to the latest version.

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(SmartAppliance ver 3.13)

9. After the registration of the air conditioner is completed, you can check the registered air conditioner on the device information list.



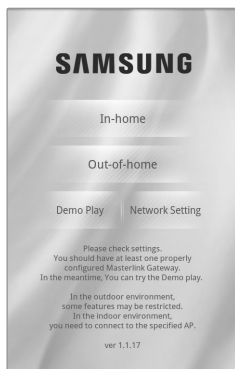
NOTE

- When changing a Wi-Fi module, perform the procedure above in order from No.1.

Operating Smart A/C application

- ▶ Android based smart phone users can download the Smart A/C application by searching 'Smart Air Conditioner' at Android market(Google Play Store) or Samsung Apps.
- ▶ iPhone users can download the Smart A/C application by searching 'Smart Air Conditioner' at Apple App store.
- ▶ Use the 'Smart Air Conditioner(CAC)' from the searched applications.
- ▶ Smart A/C application supports 5 languages.
(English, Italian, Spanish, French, Russian)

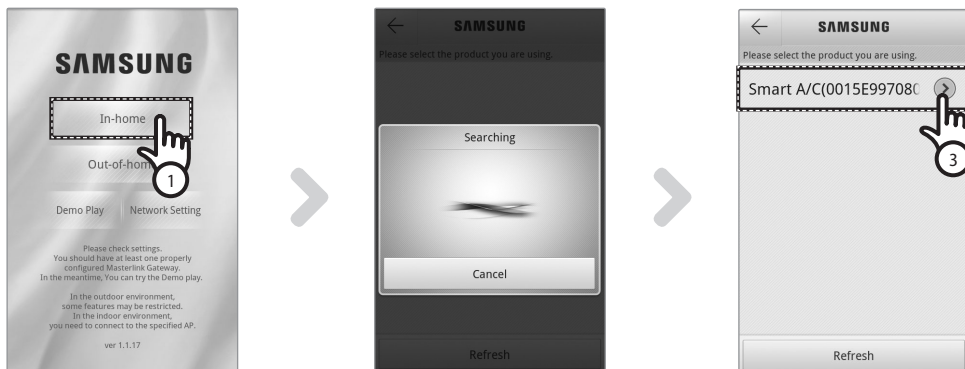
Home screen



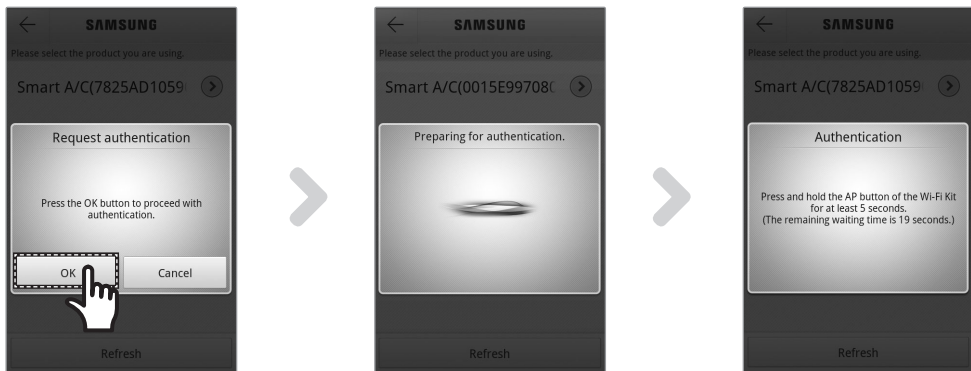
In-home	You can control your air conditioner at home.
Out-of-home	You can control your air conditioner outside your home.
Demo Play	You can test the functions of Smart A/C application.
Network Setting	Set the air conditioner network.

Accessing In-home

- ▶ Use Smart A/C application for the replacement of a remote controller at home.



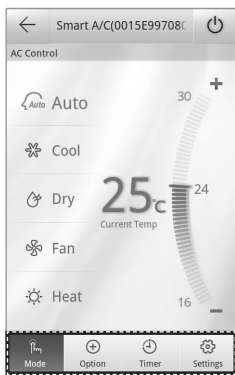
1. Press the [In-home] tab on home screen.
2. Search for the air conditioner.
 - When you cannot find the air conditioner you want to select, press the [Refresh] to search it again.
3. Select the air conditioner you want to access.



4. Before you first access your air conditioner, you should get authentication.
 When authentication pop-up comes on, press the 'AP' button of Wi-Fi kit for 5 seconds within 20 seconds.
 After getting the authentication successfully, you can log on to the air conditioner.

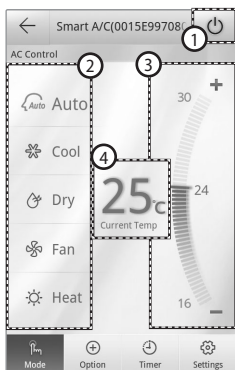
Controlling an air conditioner

- Check the control function of the air conditioner at AC control screen.



Mode	Set the basic operation of the air conditioner.
Option	Set the additional function of the air conditioner.
Timer	Set the On or Off timer function of the air conditioner.
Settings	Set the name of network or air conditioner.

- Set the operation mode of the air conditioner by pressing the [Mode] tab.

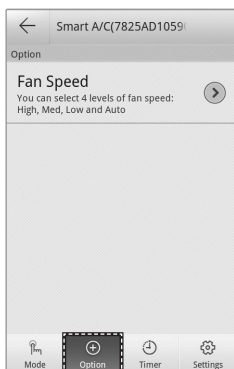


①	Power ON/OFF	Turn the air conditioner on or off.
②	Mode	Select Auto, Cool, Dry, Fan, or Heat.
③	Desired temperature	Select the desired temperature of the air conditioner.
④	Current temperature	Display current temperature of indoor room.

Operating Smart A/C application

Setting additional functions of the air conditioner

- ▶ You can control the additional functions the air conditioner supports.
- ▶ The additional functions will be activated depending on the air conditioner functions.

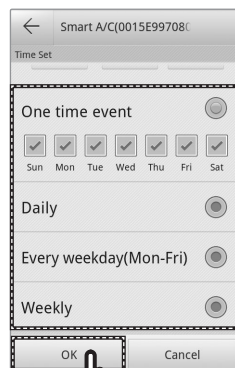
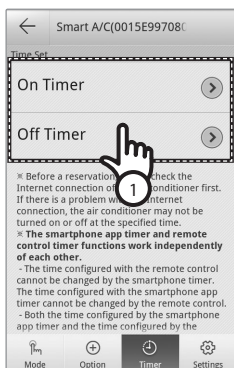


1. Press the [Option] tab at the bottom of the screen.
2. Select the operation mode or additional functions you want.



• For the details of each additional function, refer to the user manual of each air conditioner.

Setting timer function



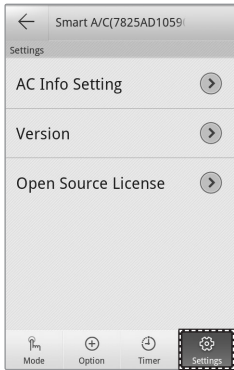
1. After pressing the [Timer] tab at the bottom of the screen, press the [On Timer] or [Off Timer] tab.
2. Press the [+], [-] or [AM], [PM] tab to set the on time or off time.
3. After setting repetition cycle, press the [OK] tab.



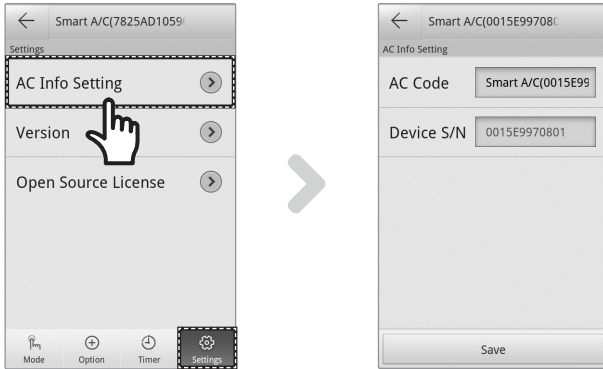
• On time and off time cannot be set at the same time.

Setting air conditioner information

- ▶ Change air conditioner information or see the App version information, Open Source License by pressing the [Settings] tab.



- ▶ Set the name of the air conditioner by pressing the [AC Info Setting] tab.



- ▶ Check the APP version by pressing the [Version] tab.



Operating Smart A/C application

Accessing Out-of-home



1. Press the [Out-of-home] tab.
2. After entering the ID and Password of Samsung Smart appliance website, press the [OK] tab.
3. Control your air conditioner outside home.

- Operating the Out-of-home is the same as 'Accessing In-home' (refer to p12)






NOTE

- You need to log in to operate Out-of-home.
Enter the ID and Password that you used to register the network service. If you haven't joined the membership, join the membership and register your air conditioner at <http://global.samsungsmartappliance.com>.
- When accessing the air conditioner with Out-of-home, you cannot use additional functions of the air conditioner.

Trouble shooting

Before you make a call to a service center, please check the items in the table below.

Check point		Solution
Air conditioner cannot be found at Smart A/C application.	Check whether the Wi-Fi of the Smart phone is activated.	Activate the Wi-Fi connection of the Smart phone.
	Check whether the Smart phone and the air conditioner are connected to different wireless routers	The Smart phone and the air conditioner should be connected to the same wireless router.
	Check whether the Wi-Fi() light on the Wi-Fi kit is on.	Check whether the air conditioner is correctly connected to a wireless router.
The Smart phone is connected to the air conditioner correctly but it does not work.		Restart the Smart A/C application or reconnect the Smart phone with the wireless router.
When selecting In-home function of the Smart A/C application, multiple appliances are searched.		Select the air conditioner whose device number is the same as your air conditioner on the list.
I don't have ID and Password to log in to Out-of-home of Smart A/C application.		Join the membership at Samsung Smart appliance website (http://global.samsungsmartappliance.com) and register your air conditioner.
Out-of-home function of Smart A/C application does not work.	Check whether the Wi-Fi() light on the Wi-Fi kit is on.	Check whether the air conditioner is connected to the wireless router correctly.
	Check whether the Wi-Fi() light on the Wi-Fi kit blinks at an interval of 3 sec.	Check whether the wireless router is connected to internet correctly.

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LGPL Software :

libnl-Netlink Library, Mini-XML

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